

WORK ORDER 2009-25

Date opened: 12 December 2009

Project: Quick Release Cargo Basket Assembly
Type: Eurocopter AS350/355 SeriesBatch Quantity: 2 Complete Basket Assembly (78410-01)
2 with Lid Step (70405)Approval: SH08-18
Drawing List: DCL784-3

| Fabrication and Assembly Drawing(s) | Description |
|-------------------------------------|-----------------------|
| 78410, Rev. 0 | Basket Ass'y |
| 78411, Rev. 0 | Basket Body Ass'y |
| 78412, Rev. 0 | Basket Lid Ass'y |
| 36255, Rev. 1 | Handle Installation |
| 36261, Rev. 4 | Handle Bar Ass'y |
| 36262, Rev. 1 | Handle Bracket Ass'y |
| 70405, Rev. 1 | Lid Step Modification |

Complete material tracking information on attached pages.

Work Order pre-completion Inspection:

Project is on Approval Limitation Record: Y ✓
Document Control List revision level matches (or exceeds) STC: Y ✓
Drawings revision levels match Document Control List: Y ✓

Purchase order or Work order source is recorded for each part/ass'y: Y ✓
Tests and inspections specifically called out on drawings are complete: Y ✓
Release tags associated with all fabricated parts are attached: Y ✓
All mounting hardware and supplies are included: Y ✓

List all non-conformities raised: _____

Welder Signature: _____

Date: _____

Inspector Signature: _____

Date: _____

Drawing: 78410 Revision 0
 Assembly: 78410-01 Cargo Basket Ass'y (Quick-Release, Long, 93.25" long)

| Qty Per | Part # | Description | Material | P.O.W.O. | Checked |
|---------|-------------|-------------------------|-------------------------------|----------|---------|
| 2 Total | 78410-01 | Cargo Basket Assembly | | | |
| 1 | 78411-01 | Basket Body Assembly | Below | | |
| 1 | 78412-01 | Basket Lid Assembly | Below | | |
| 1 | 36255-01 | Handle Bar Installation | Below | | |
| 1 | 36280-01 | Brace Assembly | 9-2081 Brace | | |
| 1 | MS20001P4 | Piano Hinge | | 8104 | |
| 1 | 78427-01 | Placard | 0.063 Sheet, 6061-T6 Aluminum | 5052 | |
| 4 | 49205-14 | Bumper | Argus Industries Bumper | 8071 | |
| A/R | CR3213-4-02 | Cherry Rivet | | 9078 | |
| 4 | 40088-14 | Fitting | Ancra | 8077 | |
| 4 | AN960-616 | Washer | | 7036 | |
| 1 | AN3-15A | Bolt | | 7077 | |
| 1 | AN3-17A | Bolt | | 9056 | |
| 4 | AN960-10 | Washer | | 9039 | |
| 2 | AN970-3 | Washer | | 8067 | |
| 2 | MS21044N3 | Nut | | 9056 | |

| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|--------------------|------------|-----------|
| Riveting | AC43.13-1B | CR3213-4-02 Rivets | JE | |
| Final Inspection | Drawing 78410 | | JE. | |

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 78411 Revision 0
Assembly: 78411-01 Basket Body Ass'y (Quick-Release, Long, 93.25" long)

| Qty Per | Part # | Description | Material | P.O./W.O. | Checked |
|---------|----------|-------------------------|------------------------------------|-----------|---------|
| 5 Total | 78411-01 | Basket Body Assembly | | | |
| A/R | | Tube | 4130 Steel, 3/4" x 0.035 Sqr. Tube | 8064 | |
| A/R | | Tube | 4130 Steel, 1/2" x 0.035 Sqr. Tube | 9057 | |
| 4 | 76421-01 | Hoop | 4130 Steel, 1/2" x 0.035 Sqr. Tube | 9057 | |
| 2 | 76423-01 | Attachment Hoop | 4130 Steel, 1/2" x 0.035 Sqr. Tube | 9057 | |
| 1 | 36262-01 | Handle Bracket Assembly | Below | | |
| 1 | 49215-01 | Spacer | 1018 Steel, 1/2" Rod | 7007 | |
| A/R | 3/4-16F | Mesh | Expanded carbon steel | 8094 | |

| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|---------------------|------------|-----------|
| Welding | AMS 2685C | Welding Rod ER70S-2 | | |
| Powder Coat | Drawing 78411 | | | |
| Final Inspection | Drawing 78411 | | | |

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Drawing: 78412 Revision 0
Assembly: 78412-01 Basket Lid Ass'y (Quick-Release, Long, 93.25" long)

| Qty Per | Part # | Description | Material | P.O.W.O. | Checked |
|---------|----------|-------------------------------|------------------------------------|----------|---------|
| 5 Total | 78412-01 | Basket Lid Assembly | | | |
| A/R | | Tube | 4130 Steel, 3/4" x 0.035 Sqr. Tube | 8064 | |
| 1 | 49216-01 | Spacer | 1018 Steel, 1/2" Rod | 7007 | |
| 1 | 36262-01 | Upper Handle Bracket Assembly | Below | | |
| 1 | 36204-10 | Placard Bracket | 1018 Steel, 0.035" Sheet | 9010 | |
| A/R | 3/4-16F | Mesh | Expanded carbon steel | 8094 | |


| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|---------------------|------------|-----------|
| Welding | AMS 2685C | Welding Rod ER70S-2 | | |
| Powder Coat | Drawing 78412 | | | |
| Final Inspection | Drawing 78412 | | | |

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Drawing: 36255 Revision 1
Assembly: 36255-01 Handle Installation

| Qty Per | Part # | Description | Material | P.O./W.O. | Checked |
|---------|-----------|--------------------------|-------------------------------------|-----------|---------|
| 5 Total | 36255-01 | Handle Installation | | | |
| 1 | 36261-01 | Handle Bar Assembly | Below | | |
| 2 | 36278-01 | Spring (1 left, 1 right) | 304 Stainless, 1/16" Dia Music Wire | 9091 | |
| 2 | 36275-01 | Bushing | SAE 660 Bronze, 5/16" Dia | 7047 | |
| 2 | AN3-14A | Bolt | | 8078 | |
| 4 | AN960-10 | Washer | | 9039 | |
| 2 | MS21044N3 | Nut | | 9056 | |


| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|-------------|---|-----------|
| Final Inspection | Drawing 36255 | |  | |

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Drawing: 36261 Revision 4
Assembly: 36261-01 Handle Bar Assembly

| Qty Per | Part # | Description | Material | P.O./W.O. | Checked |
|---------|-------------|---------------------|--|-----------|---------|
| 5 Total | 36261-01 | Handle Bar Assembly | | | |
| 1 | 36277-01 | Handle Bar | 316 Stainless, 1.0 x 0.035 Rnd. Tube | 9079 | |
| 2 | 36271-01 | Lever | 304 Stainless, 0.105 Sheet | 7006 | |
| 2 | 36274-01 | Bushing | 304 Stainless, 7/16" x 0.065 Rnd. Tube | 8076 | |
| 2 | MS20615-4M3 | Rivet | | 1039 | |

| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|--------------------|---|-----------|
| Welding | AMS 2685C | Welding Rod ER308L | | |
| Final Inspection | Drawing 36261 | |  | |

Tag incomplete parts with Work Order # when stored between processes.

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Drawing: 36262 Revision 1
Assembly: 36262-01 Handle Bracket Assembly

| Qty Per | Part # | Description | Material | P.O./W.O. | Checked |
|---------|----------|-------------------------|----------------------------|-----------|---------|
| 5 Total | 36261-01 | Handle Bracket Assembly | | | |
| 1 | 36272-01 | Basket Bracket | 321 Stainless, 0.050 Sheet | 2195 | |
| 2 | 36273-01 | Lid Bracket | 321 Stainless, 0.050 Sheet | 2195 | |
| 2 | 36275-02 | Support | 304 Stainless, 5/16" Rod | 2005 | |

| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|--------------------|------------|-----------|
| Welding | AMS 2685C | Welding Rod ER308L | | |
| Final Inspection | Drawing 36262 | | | |

Tag incomplete parts with Work Order # when stored between processes.

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Drawing: 70405 Revision 1
Assembly: 70405-01 Lid Step Modification

| Qty Per | Part # | Description | Material | P.O.W.O. | Checked |
|---------|------------|-----------------------|------------------------------------|----------|---------|
| 3 Total | 70405-01 | Lid Step Modification | | | |
| 1 | 70405-03 | Tube | 4130 Steel, 3/4" x 0.035 Sqr. Tube | 8064 | |
| 1 | 70405-04 | Tread Plate | 3003 Aluminum Tread Plate, 0.063" | 9054 | |
| 18 | CR3213-4-2 | Cherry Rivet | | 7010 | |
| | | | | 9078 | |

Note: Step is installed on all bays of lid.

Note: Remainder of assembly listed on drawing 78412

| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|---------------------|------------|-----------|
| Welding | AMS 2685C | Welding Rod ER70S-2 | | |
| Final Inspection | Drawing 70405 | | | |

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|--|-------------------|--|--|----------------------|---|-----------------------------------|
| 1. Approving Civil Aviation Authority/Country Transport Canada | | 2. AUTHORIZED RELEASE CERTIFICATE FORM ONE | | | 3. Form Tracking No. | |
| 4. Organization Name and Address AERO Design Ltd. – 2013 39 th Avenue NE, Calgary, Alberta, T2E 6R7 | | | | | 5. Work Order/Contract/Invoice WO2009-25 | |
| 6. Item | 7. Description | 8. Part Number | 9. Qty. | 10. Serial/Batch No. | 11. Status/Work | |
| | Long Cargo Basket | 78410-01 | 1 | 78401-15 | New | |
| 12. Remarks Modified with walkway on lid and auxiliary latch IAW DCL704 | | | | | | |
| 13a. Certifies that the items identified above were manufactured in conformity to: | | | 14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 | | | |
| <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12. | | | Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations . | | | |
| 13b. Signature <i>Jeff Clarke</i> | | 13c. Approved Organization Number AMF 73-04 | | 14b. Signature | | 14c. Approved Organization Number |
| 13d. Name JEFF CLARKE | | 13e. Date (dd/mmm/yyyy) 26 Feb 2010 | | 14d. Name | | 14e. Date (dd/mmm/yyyy) |
| <p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p> | | | | | | |

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|---|-------------------------------------|--|--|----------------------------------|---|-----------------------------------|
| 1. Approving Civil Aviation Authority/Country Transport Canada | | 2. AUTHORIZED RELEASE CERTIFICATE FORM ONE | | | 3. Form Tracking No. | |
| 4. Organization Name and Address AERO Design Ltd. – 2013 39 th Avenue NE, Calgary, Alberta, T2E 6R7 | | | | | 5. Work Order/Contract/Invoice WO2009-25 | |
| 6. Item | 7. Description Long Cargo Basket | 8. Part Number 78410-01 | 9. Qty. 1 | 10. Serial/Batch No. 78401-13 | 11. Status/Work New | |
| 12. Remarks Modified with walkway on lid and auxiliary latch IAW DCL704 | | | | | | |
| 13a. Certifies that the items identified above were manufactured in conformity to: | | | 14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 | | | |
| <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12. | | | Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations. | | | |
| 13b. Signature <i>Jeff Clarke</i> | | 13c. Approved Organization Number AMF 73-04 | | 14b. Signature | | 14c. Approved Organization Number |
| 13d. Name JEFF CLARKE | | 13e. Date (dd/mmm/yyyy) 12 Jan 2010 | | 14d. Name | | 14e. Date (dd/mmm/yyyy) |
| <p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p> | | | | | | |

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